



Entrepreneur's Corner



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WSU Spin Out SenSound Rolls Out Software-Based Filtering System

DETROIT - SenSound, a Wayne State University technology spin out, has introduced SenQC, a software based quality control system for manufacturers of products in a broad spectrum of industries.

SenQC will allow manufacturers to conduct high-throughput 100 percent in-line and end-of-line pass/fail inspections of components, subassemblies and finished goods to verify acoustic signatures and test for noise indicated defects.

SenSound's proprietary technology works by filtering out constant and transient environmental noise generated by surrounding machinery, HVAC systems and other sources from sounds emitted by the test object. The highly sensitive, non-contact system captures product noise emissions and "de-noises" the environmental sounds, allowing for rapid automated defect inspection with minimal disruption to production.

"Noise-related quality control testing has been challenging and costly, often requiring anechoic chambers or sound enclosures to test for acoustic quality or noise indicated defects", said Sergio Mazza, President of SenSound. "SenQC will open the door to a new way of quality control testing for manufacturers and suppliers in transportation, consumer products, industrial equipment and a number of other industries."

SenSound is currently working with assembly line integrators, such as Assembly and Test Worldwide, to introduce SenQC to the manufacturing industry.

"We are pleased with the continued impressive work of SenSound and Dr. Sean Wu, distinguished professor of Engineering at WSU," said Dr. Gloria Heppner, associate vice president for research at Wayne State. "Discoveries stemming from university research make an impact on our economy and our lives, and Mr. Mazza, Dr. Wu and members of SenSound are working hard to make a difference in our world."

SenQC was developed with the support of SBIR grants obtained through the National Science Foundation. SenSound technology was initially developed in the Department of Mechanical Engineering at Wayne State University's College of Engineering. WSU researchers participated in the development and testing of SenQC through a subcontract to WSU from SenSound's National Science Foundation grants.

To learn more about SenSound, click on SenSound.Com

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